

GORDICHOVNIKUVA"

PROCESSES AND PROPERTIES

The isolation of high-titer diphtheria toxin with the use of Martin's bouillon. A. I. Gorokhovnikova, M. P. Wagner-Sakhar and I. A. Kallikayev. *J. Microbiol., Epidemiol., Immunol.* (U.S.S.R.) 14, 71-9 (in German) 70 (1935).—The activity of a toxin is dependent upon the quality of the culture. The best cultural conditions are obtained when peptone from fresh stomachs is added to Martin's bouillon with periodic shaking for 16-18 hrs. at 37°. This gives a toxin with a flocculation value (*Lf*) of 18.4. When peptone from frozen stomachs is used the *Lf* is 13.7. The highest *Lf* was obtained on a 4% peptone-bouillon culture. The addition of 0.2% glucose and 0.5% NaOAc raised the toxicity to an *Lf* of 20.3. The influence of maltose was greater, a 0.25% soln. raising the *Lf* to 30. The most favorable concn. of acetate was found to be 0.5-1%. On glucose-free bouillon the *pH* decreases during the first 2 days by 0.1-0.2 units, after which it rises to 8.3-9.4 in 5-6 days. The flocculation capacity appears on the 2nd day and reaches a max. on the 5th to 6th day. In the presence of glucose and NaOAc there is a strong reduction in alky, from *pH* 8.1 to 6.8 during the first 2 days, after which the alky. increases with toxin formation during the next 2 days. S. A. K.

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GOR尤HOVNIKOVA, A-F

PROCESSES AND PROPERTIES

Highly active diphtheria antigen, its concentration and immunization characteristics. A. I. Goryukhovnikova and M. P. Wagner-Sakharova. *J. Mikrobiol., Epidemiol. Immunobiol. (U. S. S. R.)* 16, 874-81 (in German 881) (1955).—The best medium for obtaining a highly active diphtheric antigen is Martin's bouillon with added glucose or maltose and salts of inorg. acids. The concn. of the antigen by pppN, with acids, neutral salts, alc., acetone and metallic hydroxides is discussed. PppN with acids leads to a high loss of antigen, while pppN with $ZnCl_2$ and adsorption methods are still too complicated. Of especial interest are those concn. methods based on the use of $PhCOOH$ and Me_2CO , as well as ultrafiltration methods. S. A. Karjalta

S. A. Karjala

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CONTINUATION

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APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3"

Gorokhovnikova, A. I.

EXCERPTA MEDICA Sec.4 Vol.11/4 Med.Microb. etc. April 58

1071. THE SIGNIFICANCE OF SUCCESSIVE IMMUNIZATIONS AGAINST VARIOUS
INFECTIONS FOR THE DEVELOPMENT OF IMMUNITY (Russian text) -
Gorokhovnikova A. I. - NAUCH. TRUD. MOSK. NAUCH.-ISSLEDOV.
INST. VAKST. TSYVOR. 1956 (265-272)

With the object of ascertaining the influence of successive immunizations on the state of immunity accrued from previous antigen administration, trial was made of successive immunizations of rabbits and guinea-pigs with Streptococcus scarlatinae toxin, diphtheria anatoxin, and typhoid and pertussis vaccines. No decrease of streptococcal antibody level was seen following diphtheritic or typhoid antigen. Typhoid and pertussis vaccine enhanced antidiphtheritic immunity and immunity to Streptococcus sca. scarlatinae toxin. Previous immunization had no influence on development of immunity on later injection of antigen. (S)

USSR/Virology - Human and Animal Viruses.

E

Abs Jour : Ref Zhur Biol., No 1, 1959, 575

Author : Gorokhovnikova, A.I., Kalinkina, A.G.

Inst : Moscow Scientific Research Institute of Vaccines and
Sera

Title : Experimental Immunization of Mice with Live Poly-Type
Grippe Vaccine.

Orig Pub : Tr. Mosk. n.-i. in-ta vaktsin i syvorotok, 1957, 9, 66-
70

Abstract : No abstract.

Card 1/1

GOROKHOVSKAYA, A. S.

USSR/ Chemistry Hydrogenation

Card : 1/1 Pub. 151 - 11/33

Authors : Markman, A. L., and Gorokhovskaya, A. S.

Title : Polarographic investigation of a hydrogenation process. Part 4. - Hydrogenation of allylacetate mixtures with two- and three-substituted ethylenes

Periodical : Zhur. ob. khim. 24/8, 1332 - 1342, August 1954

Abstract : The hydrogenation processes of binary allylacetate mixtures with some di- and tri-substituted ethylene derivatives, was investigated with the aid of polarography. It was established that the Lebedev law, regarding preferential saturation of mono-substituted ethylene, is a generalization of the first approximation. The degree of saturation selectivity of the mono-substituted ethylene and its dependence upon the nature of the second component of the mixture and catalyst, are illucidated. Six references: 5 USSR and 1 USA (1927 - 1953). Tablos; graphs.

Institution : Central Asiatic Polytechnicum

Submitted : July 29, 1953

GOROKHOVSKAYA, A. S.

Gorokhovsdaya, A. S.

"Polarographic Determination of Pectinous Substances." Min Higher Education USSR. Central Asia Polytechnic Inst. Tashkent, 1955. (Dissertation for the Degree of Candidate in Chemical Sciences)

So: Knizhnaya letopis', No. 27, 2 July 1955

GOROKHOVSKAYA, A.S.

USSR/Physical Chemistry - Electrochemistry, B-12

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61193

Author: Markman, A. L., Gorokhovskaya, A. S.

Institution: None

Title: 5-Methylfurfurole and Its Polarographic Behavior

Original
Periodical: Tr. Sredneaz. politekhn. in-ta, Tashkent, Gosizdat Uz SSR, 1955,
283-288

Abstract: It is shown that for 5-methyl furfurol (I) in aqueous buffer solutions, similarly as for furfurol (II) (Kol'tgof, I. M., Lingeyn, Dzh. Dzh., Polyarografiya, M., 1948, 342-343), $E_{1/2}$ depends linearly on pH in the region pH 1-9, while with pH 9.5-13.3 $E_{1/2} = \text{const}$. The constant of diffusion current of I depends on pH and has maximum value in solutions of pH 7-11. With background of 0.1 N NH_4Cl I gives one [redacted] while with 5% K_2CO_3 background it gives 2 waves the height of which are proportional to concentration of I in the interval 10^{-4} to 10^{-2} M. It is reported that due to proximity of

Card 1/2

USSR/Physical Chemistry - Electrochemistry, B-12

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61193

Abstract: $E_{1/2}$ separate determination of I and II in aqueous and aqueous alcohol solutions is impossible.

Card 2/2

Polarography of pectin. I. Preparation of the
sample and polarographic curve.

A polarographic titration was made of the extinction curve, and the extinction E_1 was measured at 1% pectin concn. At higher concns. E_1 is expressed by $C = 5 \times 10^{-4} \sqrt{E_1}$ or $\log C = -0.3 + 1.5 \log E_1$ where C is the pectin concn. A special extractor was constructed for the sepg. of pectin from saponin, albumen, and suspended coloring materials; the pectin was finally extd. with hot water. To the pectin ext. 0.1 N NaOH was added the soln. add'd to the titr. with dilute sulfuric acid.

MARKMAN, A.L.; GOROKHOVSKAYA, A.S.

Polarographic determination of pectins in cotton plant tissues.
Uzb. khim. zhur. no.1:30-34 '61. (MIRA 14:1)

1. Sredneaziatskiy politekhnicheskiy institut.
(Cotton) (Pectin)

GOROKHOVSKAYA, A.S. & SELLER, B.E.

Polarographic method for determining acrylonitrile. Zav.lab. 28 no.7:
809-811 '62. (MIRA 15:6)

1. Tashkentskiy tekstil'nyy institut.
(Acrylonitrile) (Polarography)

YAHUSHKEVICH, N.I.; GOROKHOVSKAYA, B. TS. (Odessa)

Thrombophlebitic splenomegaly. Vrach. delo no.1:138-140 Ja'64
(MIRA 17:3)

1. Terapevcheskoye otdeleniye (zav. - N.I. Yanushkevich)
bol'nitsy moryakov porta Odessy. Nauchnyy rukovoditel' -
deystvitel'nyy chlen AMN SSSR, zasluzhennyy deyatel' nauki
prof. M.A.Yasinovskiy.

GOROKHOVSKAYA, E.I.

Removal of turbine oil from the form columns of a catalyst factory.
Trudy Bash NIINP no.5:317-318 '62. (MIRA 37:10)

1. Ordona Lenina Ulfimskiy neftepererabatyvayushchiy zavod.

GOROKHOVSKAYA, L.; OVSYANNIKOV, Yu. [reviewers]; FERSMAN, A.Ye. [author].

"Stories about precious stones." A.E.Fersman. Reviewed by L.Gorokhovskaya, Iu.Ovsiannikov. Znan.sila no.12:34 D '53. (MLRA 6:12)
(Fersman, Aleksandr Evgen'evich, 1883-1945) (Precious stones)

TUGOV, I.I., kand. tekhn. nauk; GOROKHOVSKAYA, L.L., nauchnyy sotrudnik

Evaluating the various methods for the cleaning of
"korvit" fibers from undigested threads. Nauch.-issl.
trudy VNIIPIK no.14:143-147 '63.

(MIRA 18:12)

L 1557-66 (A) EWT(m)/T/EWP(j) RM

ACCESSION NR: AP5021820

UR/0342/65/000/008/0006/0008

19B 677.46.025.001.5

AUTHOR: Tugov, I. I. (Candidate of technical sciences); Gorokhovskaya, L.L. (Junior research associate)

TITLE: Use of chemical fibers regenerated from cord threads of worn tires

SOURCE: Tekstil'naya promyshlennost', no. 8, 1965, 6-8

TOPIC TAGS: regenerated rayon fiber, felt, nonwoven fabric, artificial leather

ABSTRACT: Studies made by the Vsesoyuznyy nauchno-issledovatel'skiy institut plenochnykh materialov i iskusstvennoy kozhi (All-Union Scientific Research Institute of Film Materials and Artificial Leather), and several other enterprises established the following facts: rayon and capronic "corvit" staple fibers separated from cord threads of worn tires by swelling can be used in the wool industry and the milling and felt industry for the production of nonwoven fabrics and artificial leather. The use of regenerated fiber will permit a 20% increase in the production of milled and felt articles and cloth without causing an increase in the consumption of wool. Thus, up to 50% of the expensive cotton used in the production of

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L 1557-66

ACCESSION NR: AP5021820

artificial leather will be used to meet other needs. The regenerated fiber can be processed into articles satisfying technical requirements without any significant changes in the existing technological processes. The use of regenerated fiber will substantially reduce the production costs. Orig. art. has: 3 tables.

ASSOCIATION: VNIPIK

SUBMITTED: 00

ENCL: 00

SUB CODE: MT

NO REF SOV: 002

OTHER: 000

Card 2/2 DP

L 21771-66

ACC NR: AP6002606

(A)

SOURCE CODE: UR/0286/65/000/023/0106/0106

AUTHORS: Ponomarev, S. G.; Oleynik, N. N.; Coronovskaya, M. A. Zhurba, T. T.

ORG: none

TITLE: Method for combined soaking and depilation of hides. Class 28, No.
143500

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 106

TOPIC TAGS: processed animal product, leather, animal hide

ABSTRACT: This Author Certificate presents a method for combined soaking and depilation of hides by the use of a fermentation vat. To speed up the process and to improve the quality of the hides, aromatic sulphoderivatives, e.g., H acid, are added to the fermentation vat.

SUB CODE: 11/ SUBM DATE: 21Nov60

Card 1/1 MJ5

UDC: 675.023.3

SOV/112-58-3-4930

9(4)

Translation from: Referativnyy zhurnal. Elektrotehnika, 1958, Nr 3, p 224 (USSR)

AUTHOR: Drabkin, D. S., and Gorokhovskaya, N. M.

TITLE: Function of a Self-Excited Thyratron in Pulse-Type Circuits
(Rabota tiratrona v impul'snykh skhemakh s samovozbuzhdeniyem)

PERIODICAL: V sb. materialov po vakuumnoy tekhnike, 1957, Nr 12, pp 18-54

ABSTRACT: Alternate pulse-type self-excitation circuit diagrams with thyratrons are examined, and curves illustrating their operation are presented. The circuits with variable grid voltage allow higher operating frequencies; in this case, after a current pulse has passed through the thyratron, an increased bias voltage is applied to the thyratron grid which accelerates the electric-strength recovery. The circuits containing pulse-shaping lines have almost linear voltage rise on the charging capacitor and have a higher efficiency. Thyratron operation in a charging-resistor-type circuit is examined in detail. Assuming that the thyratron control characteristic is a straight line $U_{az} = -M_{ez}$, a

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9(4)

SOV/112-58-3-4930

Function of a Self-Excited Thyratron in Pulse-Type Circuits

formula for its operating frequency is deduced; the frequency depends on the circuit parameters and thyratron parameters. The formula shows that: (1) the frequency is independent of the supply-source voltage; (2) if the frequency is controlled by varying the charging resistor, the ratio between the sections of this resistor must be maintained constant if a constant forward voltage is desired. A number of experimental curves for TG1-0.1/1.3 and TG3-0.1/1.3 thyratrons are presented that confirm the theoretical conclusions. The thyratron control characteristic range is responsible for a frequency instability which decreases with an increase in the initial bias and a decrease in the ratio U_{pr}/U_{pit} . As the thyratron operating frequency increases, its deionization properties manifest themselves and limit the maximum frequency. Under post-discharge-conductivity conditions the operating range is limited by the critical rate-of-rise of the anode voltage; under no post-discharge-conductivity conditions it is limited by the curve of electric-strength recovery.

Card 2/3

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SOV/112-58-3-4930

Function of a Self-Excited Thyratron in Pulse-Type Circuits

To plot these curves, it is necessary to figure out the grid- and anode-voltage shapes. The necessary formulae are deduced, and graphs are presented plotted from the above formulae for TG1-0.1/1.3 and TG3-0.1/1.3 thyratrons for the cases of matched and mismatched loads. A sample design of the circuit and a design of the voltage divider, in which the ionic grid current flows, are given in a supplement. Bibliography: 14 items.

K.V.B.

Card 3/3

GOROKHOVSKAYA P.V.

DOBROBORSKAYA, TS.I.; GOROKHOVSKAYA, P.V.

Trilonometric determination of zinc in cyanide and noncyanide
electrolytes used in brass plating. Kauch. i rez. 16 no.12:31-32
D '57. (MIRA 11:3)

1. Leningradskiy zavod RTI.
(Zinc--Analysis) (Electrolytes) (Titration)

NEMEROVSKIY, L.I.; GOROKHOVSKAYA, R.I.

NAPP-60, an intermittent current anesthetic apparatus. Nov.
med. tekhn. no. 5:37-50 '61. (MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskikh
instrumentov i oborudovaniya.

LAZAREVA, S.Ye., kand.tekhn.nauk; KOROLEVA, N.D., mladshiy nauchnyy sotrudnik;
Prinimali uchastiye: DOKINA, Ye.I.; GEKKER, P.A.; KIRILLOV, L.N.;
GOROKHOVSKAYA, R.N.; ZNAMENSKAYA, Ye.S.

Advantages of flax roving boiling. Nauch.issl.trudy TSNIILV
12:46-71 '59. (MIRA 15:8)
(Flax) (Spinning)

S/653/61/000/000/050/051
IQ42/I242

AUTHORS: Mitskevich, Z.A., Potiyevskaya, S.A., and
Goronovskaya, S.S.

TITLE: Physicomechanical properties of plastics

SOURCE: Plastmassy v mashinostroyenii i priborostroyenii.
Pervaya resp. nauch.-tekhn. konfer. po vopr. prim.
plastmass v mashinostr. i priborostr., Kiev, 1959.
Kiev, Gostekhizdat, 1961, 546-554

TEXT: The following properties of USSR plastics are listed:
specific weight, heat resistance, coefficient of linear expansion,
coefficient of heat conductivity, tensile strength, compression,
tensile elastic modulus, specific resilience, hardness, water absorption, frost resistance.

Card 1/1

S/653/61/000/000/051/051
I042/I242

AUTHORS: Mitskevich, Z.A., Potiyevskaya, S.A., and
Goronovskaya, S.S.

TITLE: Dielectric properties, areas of application, and
processing methods of plastics

SOURCE: Plastmassy v mashinostroyenii i priborostroyenii.
Pervaya resp. nauch.-tekh. konfer. po vopr. prim.
plastmass v mashinostr. i priborostr., Kiev, 1959.
Kiev, Gostekhizdat, 1961, 554- 571

TEXT: The following properties and characteristics of USSR
plastics are listed: specific surface electrical resistance, speci-
fic volumetric electrical resistance, tangent of the angle of die-
lectric losses, dielectric strength, dielectric constant, processing
methods, specific molding pressure, molding temperature, molding
time, settling on molding, viscosity, areas of application.

Card 1/1

GOROKHOVSKAYA - PROUKHINA, V.I.

USSR/Physical Chemistry - Electrochemistry

B-12

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 3974

Author : Vasil'yev A.M., Gorokhovskaya-Proukhina V.I.

Inst : Commission on Analytical Chemistry of the Academy of Sciences USSR

Title : Catalytic Waves of Hydrogen. Catalytic Reduction of Hydrogen Ions at Mercury Drop Electrode in the Presence of Zirconyl Nitrate.

Orig Pub : Tr. Komis. po analit. khimii AN SSSR, 1956, 7(10), 142-148

Abstract : At constant pH (< 4) $ZrO(NO_3)_2$ with background of 0.2 M KNO_3 , gives one wave of $E_1 = 50.847$ v (saturated calomel electrode). In the absence on NO_3^- ions this wave is not observed. Increase in concentration of ZrO^{2+} results on a gradually attenuated increase of the wave, and beginning with $4 \cdot 10^{-4}$ M, height of wave ceases to depend upon concentration of ZrO^{2+} . At constant pH,

Card 1/2

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GOROKHOVSKAYA, V.I. (Kazan')

Kinetic character of cathode waves in the presence of niobium nitrate.
Trudy KKhTI no.21:107-111 '56. (MIRA 12:11)
(Niobium nitrate) (Cathode rays)

GOROKHOVSKAYA, V.I. (Kazan')

Polarographic behavior of molybdenum in nitrate solutions. Trudy
KHTI no.21:113-118 '56. (MIRA 12:11)
(Molybdenum) (Reduction, Electrolytic) (Polarography)

*Gorokhovskaya, V. I.**Gorokhovskaya, V. I.*

510)	NAME & BOOK INFORMATION	600/2010
	Kazan' Radio-Technological Institute named S. M. Kirov Profiy 77b, 22, Radiochemical and (Institute of the Chemical and Technological Institute, General and Kirov, Kazan', Ry 22, Chemical Sciences) Kazan', 1950. 272 p. Service copy printed. 300 copies printed.	
	Mitrofanov, L.M. <u>Sodolite</u> (Geog. Sci.) Professor, A.I. Traftser, (Geog. Sci.) Pavlenko, I. Yu. Myak (Geog. Sci.) Professor, G.S. Vorob'ev (Geog. Sci.) Korshunov, A. Yu. Arsen'ev, Academician, N.N. Radzhi, Professor, S.M. Kochina, (Geog. Secretary) Deben' Yu.; Professor, N.A. Khokhlova, Professor, D.N. A. Korshunov Deben', A.D. Grigor'yev, Professor, Yu.A. Khokhlova, Professor, T. M. Zemlyanik.	
	PURPOSE: This book is intended for industrial chemists, technologists, scientists, chemists, and research students in applied chemistry.	
	CONTENTS: The collection contains reports by faculty members of the university, i.e., lectures and also communiques from the 75th year of the Kirov and First University of the South of Professor Aleksey Nekhoroshev Furt'yev, Doctor of Chemical Sciences, Head of the Faculty. A series of 75th-year scientific activities is given along with a chronological bibliography of his published works and that of members of the Institute under his leadership. Articles on the collection deal mainly with clay mineralogy and the analysis of electrochemical properties, chemical composition and investigations of the prospective application of physicochemical methods in industrial processes, etc., classifying with reference to the properties of building materials with additives, etc. References are given at the end of each article.	

LIST OF CONTENTS:

600/2019	Structure of the Chemical (cont.)
1.	Vasil'ev, A.I. (Deben') L.A. Vasil'ev, and A.A. Vasili'yev, The Problem of Determining the Exchange Capacity of Smectite of Cation-Exchange Resins (First report) 33
2.	Vasil'ev, A.I. (Deben') L.A. Vasil'ev, and A.A. Vasili'yev, The Problem of Determining the Exchange Capacity of Smectite of Cation-Exchange Resins (Second report) 42
3.	Vasil'ev, A.I. (Deben') and A.A. Vasili'yev, The Problem of Obtaining Anilino Derivatives From High-Molecular-Weight Smectite (Preliminary report) 49
4.	Vasil'ev, A.I. (Deben') and A.T. Marusina, Amperometric Titration of Copper in Peridote Solutions With Rhodizonate 53
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CONT 3/6

GOROKHOVSKAYA, V. I.

Oscillographic polarography of 2-aminobenzothiazole and its derivatives. Part 1: Aminobenzothiazole and its derivatives lacking polarographically active groupings. Zhur. ob. khim. 32 no. 12:3853-3859 D '62. (MIRA 16:1)

1. Kazanskiy khimiko-tehnologicheskiy institut imeni S. M. Kirova.

(Benzothiazole) (Polarography)

GOROKHOVSKAYA, V. I.

Oscillographic polarography of 2-aminobenzothiazole and its derivatives. Part 2: Derivatives of 2-aminobenzothiazole with polarographically active groupings. Zhur. ob. khim. 32 no.12: 3859-3864 D '62. (MIRA 16:1)

I. Kazanskiy khimiko-tehnologicheskiy institut imeni S. M. Kirova.

(Benzothiazole) (Polarography)

GOROKHOVSKAYA, V.I.

Application of the method of oscillographic polarography with
sinusoidal voltage to the study of the processes of oxidation and
reduction of vanadium on a mercury dropping electrode. Trudy KKHTI
no.30:185-192 '62. (MIRA 16:10)

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CIA-RDP86-00513R000516310011-3

GOROKHOVSKAYA, V.I.; OSTRYAKOVA, T.A.; ARTEM'YEVA, G.A.

~~Reaction of copper with 4-oxo-6-methyl-1,2,4-triazolo(2,3a) pyrimidine.~~ Zhur. neorg. khim. 9 no.10:2339-2342 O '64.
(MIRA 17:12)

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CIA-RDP86-00513R000516310011-3"

GOROKHOVSKIY, A.

New books. Radio no.8:63 Ag '61.

(MIRA 14:10)

1. Zamestitel' glavnogo redaktora Gosudarstvennogo izdatel'stva
literatury po voprosam svyazi i radio.
(Bibliography—Radio)

IGOSHIN, M.; BURLYAND, V.; GOROKHOVSKIY, A.

Literature on radion engineering for 1964. Radio no.2:62-64 F '64.
(MIRA 17:3)

1. Zaveduyushchiy redaktsiyey "Massovoy radiobiblioteki" (for Bur-
lyand). 2. Glavnyy redaktor izdatel'stva "Svyaz'" (for Gorokhovskiy).

ZHUKOV, A.V.; GOROKHOVSKIY, A.D.; DAMASKIN, S.A.; RUDENKO, P.M.;
ZONENBERG, M.F.; DIKOVA, S.A.; GAYDAY, V.K., red.

[Production of large wall elements from ceramics] Proizvod-
stvo krupnykh stenovykh konstruktsii iz keramiki. Kiev,
Budivel'nyk, 1965. 33 p. (MIRA 18:8)

1. Moscow. Gosudarstvennyy nauchno-issledovatel'skiy insti-
tut stroitel'nykh materialov i izdeliy.

GOROKHOVSKIY, A.D.; SMIRNOV, K.I.

Manufacturing ceramic panels composed of 18-slet stone.
Stroi. mat. 11 no.7:1-5 Jl '65. (MIRA 18:8)

1. Glavnnyy inzh. Podol'skogo zavoda stenovykh materialov i
konstruktsiy (for Gorokhovskiy).

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3

GOROKHOVSKIY, A.I.; ZINYUK, M.N.; SHADAKOV, S.V.; SHILOV, V.S.

Semi-automatic distribution conveyer. Kozh.-obuv.prom.
no.10:9-12 0 '59. (MIRA 13:2)
(Assembly-line methods) (Shoe manufacture)

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CIA-RDP86-00513R000516310011-3"

GOROKHOVSKIY, A.

"Television reception"; a serial publication. Radio no.9:63
S '62. (MIRA 15:9)

1. Zamestitel' glavnogo redaktora Gosudarstvennogo izdatel'stva
literatury po voprosam svyazi i radio.
(Television--Periodicals)

MURAV'YEV, M.I.; KARASIK, Z.S.; OKUN', B.D.; TRUSHIN, S.A.;
ASHRATOVA, S.K., kand. tekhn. nauk; GOROKHOVSKIY, A.I.;
LAPSHIN, V.P., inzh., retsentent; STESHOV, I.I., red.;
MINAYEVA, T.M., red.

[Handbook for a shoe industry worker] Spravochnik obuvshchika.
Moskva, Gizlegprom. Vol.3. 1963. 505 p. (MIRA 17:5)

SHVETS, Veniamin Izrailevich; GOROKHOVSKIY, A.I., retsenzent;
KIVROVA, Ye.P., retsenzent; KRUGLOV, S.V., retsenzent;
DUKHOVNYY, F.N., red.

[Hoisting and conveying machinery in light industry] Pod"-
emno-transportnye mashiny v legkoi promyshlennosti. Mo-
skva, Legkaia industriia, 1964. 290 p. (MTRA 17:10)

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CIA-RDP86-00513R000516310011-3

GOROKHOVSKIY, A. V. (Engineer)

"From the Pages of the Journal 'Radio', " Vest Svyazi, No.10, 1952

Translation M-674, 27 Jul 55

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YEGOROV, K.P.; DAVYDOV, G.B., otvetstvennyy redaktor; GOROKHOVSKIY, A.V.,
redaktor.

[Transmission of television signals over long-distance communica-
tions lines] Peredacha televisionnykh signalov po liniyam dal'nei
sviasi. Moskva, Gos. izd-vo lit-ry po voprosam sviasi i radio, 1953.
33 p. (Lektsii po tekhnike sviasi) (MIRA 7:4)

(Television--Transmitters and transmission)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3

GOROKHOVSKIY, A. V. Eng.

"In the Pages of 'Radio'," Vest. svyazi, No.8, p. 27, 1953

Translation No. 544, 30 Apr 56

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3"

FEDOROVICH, Ye.G.; KOPYTIN, L.A., otvetstvennyy redaktor; GOROKHOVSKIY, A.V.,
redaktor; MOROZOVA, T.M., tekhnicheskiy redaktor

[Our country is the birthplace of radio] Nasha strana - rodina
radio. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1954.
30 p. [Microfilm]
(Radio)

(MLRA 7:9)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3

DOGADIN, Vianor Nikolayevich; GOROKHOVSKIY, A.V., redaktor; VEYNTRAUB, A.B.,
tekhnicheskiy redaktor

[Wire broadcasting systems] Radiotranslatsionnye seti. Izd. 2-e, per.
Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1954. 271 p.
[Microfilm] (MIRA 8:1)
(Radio)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3"

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3

GOROKHOVSKIY, A.V., inzhener.

Television unit with a large screen. Vest.sviazi 14 no.2:14 P '54.
(MLRA 7:5)
(Television—Apparatus and supplies)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3"

GOROKHOVSKIY, A.V.

USSR/Miscellaneous - Publications

Card 1/1 : Pub. 133 - 19/20

Authors : Gorokhovskiy, A. V., Engineer

Title : Over the pages of the journal "RADIO"

Periodical : Vest. svyazi 7, 31-32, July 1954

Abstract : Review of articles printed in the journal RADIO for the first half of 1954, which may be of some interest to communications workers.

Institution : ...

Submitted : ...

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3

GOROKHOVSKIY, A.V., inzhener.

From the pages of the periodical "Radio". Vest.sviazi 14 no.3:31-32
Mr '54. (MLRA 7:5)
(Radio--Periodicals)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3"

GUREVICH, Roman Vladimirovich; SERGEYEV, O.V., redaktor; GOROMHOVSKIY, A.V., redaktor; SOKOLOVA, R.Ya., tekhnicheskiy redaktor.

[Measurement and tuning of shortwave transmitter antennas]

Izmerenija i nastroika pereodaiushchikh korotkovochnostykh antenn.:

Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1955. 35 p.

(Radio, Shortwave--Antennas)

(MLRA 9:5)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3

EMERZ, Grigory Abramovich; VALITOV, R.A., redakter; GOROKHOVSKIY, A.V.,
redakter; SOKOLOVA, R.Ya., tekhn. redakter.

[Course in the basic radio measurements] Kurs osnovnykh radio-
tekhnicheskikh izmerenii. Mezvna, Gos.izd-vo lit-ry po voprosam
sviassi i radio, 1955 446 p.
(Radio measurements)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3"

USSR/ Bibliography

Card 1/1 Pub. 133 - 19/19

Authors : Gorokhovsky, A. V., Engineer

Title : Bibliography - From the paper of the Magazine "Radio"

Periodical : Vest. svyazi 1, 30 - 31, Jan 1955

Abstract : Articles, published during the last 6 months of 1954 in the magazine "Radio", of interest to communication specialists are briefly reviewed. The following articles are reviewed: 1) "Radio Receiver TPS-54", by Dziuba (Radio No 7, 1954); 2) "Rectifier for Testing Tubes IL-10, by Sheshin (Radio No 7, 1954); 3) "A Combined Testing Instrument", by Meerson (Radio No 8, 1954); 4) Transposition of Circuits", by Mrs. Levina (Radio No 10, 1954); 5) "An Instrument for Measuring Non-Linear Distortions", by Pakhomov (Radio No 10, 1954); 6) "Regulating the Rotary Speed of a Wind-Generator", by Nikolaev (Radio No 10, 1954); 7) "Audio Generator", by Stepanov and Nefedov (Radio No 11, 1954), and 8) "A Tube Millivoltmeter", by Pakhomov (Radio No 12, 1954). Selected proposals for improvements in instruments or services, and other notes relative to communications, published during the same period, are also mentioned.

Institution:

Submitted:

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3

GOROKHOVSKIY, A.V., inshener.

Kiev Radio Station. Vest.sviazi 16 no.5:14-15 My '56. (MLRA 9:8)
(Kiev--Radio stations)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3"

GOROKHOVSKIY, A.V.

DAVYDOV, Georgiy Mikhaylovich; GOROKHOVSKIY, A.V., redaktor; RITTBERGER, N.V.,
tekhnicheskiy redaktor,

[This is Moscow!] Govorit Moskva. Izd.2-oe, perer. Moskva, Gos.
izd-vo lit-ry po voprosam sviazi i radio, 1957.111 p. [Microfilm]
(MIRA 10:4)
(Moscow--Radiobroadcasting)

GOROKHOVSKII A.V.

SMIRNOV, Vasiliy Alekseyevich; BORODICH, S.V., otvetstvennyy redaktor;
GOROKHOVSKII, A.V., redaktor; BERMSLAVSKAYA, L.Sh., tekhnicheskiy
redaktor

[Principles of radio communication by ultra-short waves] Osnovy
radiosvazi na ul'trakorotkikh volnakh. Moskva, Gos.isd-vo lit-ry
po voprosam svazi i radio, 1957. 818 p. (MIRA 10:11)
(Radio, Shortwave)

Gorokhovskiy, A.V.

AUTHOR: Gorokhovskiy, A.V., Engineer

111-58-5-14/27

TITLE: A Creative Collective (Tvorcheskiy kollektiv). In the Technical Service Laboratory of the Moscow Oblast Management of the Radio Relay Network (V proizvodstvennoy laboratorii Moskovskoy oblastnoy direktsii radiotranslyatsionnoy seti).

PERIODICAL: Vestnik Svyazi, Nr 5, 1958, pp 25-26 (USSR).

ABSTRACT: At the beginning of this year, the RSFSR Minister of Communications A.V. Cherenkov expressed his gratitude to a group of workers of the Technical Service Laboratory of the Moscow Oblast' "DRTE": the senior engineers L.Ya. Kan-the Moscow Oblast' "DRTE": the senior engineers L.Ya. Kan-the actor and I.Ye. Totskiy, the engineer G.P. Krutsko, the acting engineers V.I. Zhuravlev and G.B. Kornevich. He rewarded them with bonuses for their creative work in introducing ultra-shortwave reception into the radio relay stations of the Moscow oblast'. The industry until now has not regulated production of very-high frequency receiving equipment, so the laboratory collective started the development of such a system at the end of 1955. An increase in power of the "VUO-500" type amplifier up to 2 kw without any power pre-amplifier was suggested and, in the Moscow oblast' alone, more than 100 amplifiers were rebuilt according to this system. The first v.h.f. FM accessory unit

Card 1/2

111-58-5-14/27

A Creative Collective. In the Technical Service Laboratory of the Moscow Oblast Management of the Radio Relay Network.

which can be used with any radio receiver, was designed in 1956. A second model with higher sensitivity and lower heterodyne radiation was accepted by the USSR Ministry of Communications, and now one of the Ministry's plants has started its series production. In 1957, a still-more-sensitive and selective model with automatic control of the heterodyne frequency was developed. But even this model was not sensitive and selective enough for distances of 50 km and more. Therefore, L.Ya. Kantor developed a feed-back frequency receiver, which served as a base for a relay system of very-high frequency radio broadcasting. This system was designed and tested by the laboratory. In March of this year, Kantor defended his candidate thesis in the "MEIS" treating the subject "Feed Back Frequency Coupling in the FM Receiver of a Radio Relay Station." The biographies of other workers are briefly given. The collective is now working on the problem of using very-high frequency radio channels as junction lines between telephone stations situated in populated regions of the oblast'. There is one photo and one Soviet reference.

AVAILABLE: Library of Congress

Card 2/2

1. Radio engineering-Citation

AUTHOR:

Gorokhovskiy, A.V., Engineer

SOV-111-58-10-12/29

TITLE:

In the Institute of Earth Magnetism, Ionosphere and the Propagation of Radio Waves (V institute zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln)

PERIODICAL: Vestnik svyazi, 1958, Nr 10, pp 13-15 (USSR)

ABSTRACT:

The Institute of Earth Magnetism, ionosphere and the Propagation of Radio Waves investigates the ionosphere and issues prognoses on its condition, radio disturbances, etc. The electronic density and the fields of increased ionization are very important for radio communication. Both long-term and short-term radio prognoses are compiled. A 11-year prognosis has been the basis for planning the installation of radio communication for several years. The department of short-term prognoses issues 27-day, 5-day, half-day, and sometimes 3-hour prognoses on ionospheric disturbances. Magnetic maps are compiled by a special department. These maps are used for aviation, geological, geophysical, and other purposes. The medium wave laboratory investigates the permeability of the soil for radio frequencies. The

Card 1/2

SOV-111-58-10-12/29

In the Institute of Earth Magnetism, Ionosphere and the Propagation of Radio Waves

non-magnetic ship "Zarya" also belongs to the institute.
There are 6 photos.

1. Ionosphere--Analysis
2. Radio communication systems--Performance
3. Ionospheric disturbances
4. Terrestrial magnetism
5. Maps--Preparation
6. Soils--Properties

Card 2/2

6(4)

AUTHOR:

Gorokhovskiy, A.V., Engineer

SOV/111-59-3-14/26

TITLE:

Where the Great Scientist Worked (Tam, gde rabotal
velikiy uchenyy)

PERIODICAL:

Vestnik svyazi, 1959, Nr 3, pp 20-23 (USSR)

ABSTRACT:

Starting with an account of one of the first practical uses to which his invention - radio - was put, the article gives an account of the life of A.S. Popov, his training, research, professional career, and the places where he worked up to the time of his death in 1906. The article also includes a description of the memorial museum to Popov at the Electrotechnical Institute in Leningrad, and the exhibition at the Central Communications Museum in his name, dedicated to Popov. There are 8 photographs.

Card 1/1

SHAMSHUR, Vladimir Ivanovich; GOROKHOVSKIY, A.V., red.; VEYNTRAUB,
L.B., tekhn.red.

[Lenin and the development of radio] Lenin i razvitiye radio.
Moskva, Gos.isd-vo lit-ry po voprosam sviazi i radio, 1960.
192 p. (MIRA 13:7)
(Radio)

GOROKHOVSKIY, A.V., RIVIN, L.Ya.

Communication workers of Leningrad. Vest. sviazi 20 no.4:
3-7 Ap '60.
(Leningrad--Postal services) (Leningrad--Telecommunication)
(MIRA 13:7)

GOROKHOVSKIY, Anatoliy Vladimirovich; KHMELOVITSKIY, Yevgeniy Pavlovich;
FEDUNIN, G.A., otv.red.; NOVIKOVA, Ye.S., red.; MARKOCH, K.G.,
tekhn.red.

[Communications technician servicing radio stations] Monter
sviazi po obsluhivaniyu radiostantsii. Moskva, Gos.izd-vo
lit-ry po voprosam sviazi i radio, 1961. 391 p.

(MIRA 14:3)

(Radio stations--Maintenance and repair)
(Electronic technicians--Handbooks, manuals, etc.)

KRIVOSHENYEV, Mark Iosifovich; VINOGRADOV, Vadim Nikolsayevich;
GOROKHOVSKIY, A.V., red.; MARKOCH, K.G., tekhn.red.

[Development of television broadcasting technology] Razvitiye
tekhnicheskikh sredstv televisionnogo veshchaniia. Moskva, Gos.
izd-vo lit-ry po voprosam sviaszi i radio, 1960. 61 p.

(Television broadcasting)

(MIRA 14:4)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3

VULTAKH, S.G.; GOROKHOVSKIY, A.V.; RIVIN, L. Ya.

From the brigades to the enterprises of communist labor.
Vest. sviazi 21 no.5:25-28 My '61. (MIRA 14:6)
(Telecommunication--Employees)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3"

ROZOV, Valeriy Mikhaylovich; FEDOROVICH, Ye.G., otv. red.; GOROKHOVSKIY,
A.V., red.; SLUTSKIN, A.A., tekhn. red.

[Multiplexing apparatus for single-band radio channels] Appa-
ratura uplotneniya odnopolosnykh radiokanalov. Moskva, Sviaz'-
izdat, 1962. 92 p.

(MIRA 16:6)

(Radio)

KLIMCHEVSKIY, Cheslav; YUSHKEVICH, M.L.[translator]; GOROKHOVSKIY,
A.V., red.; MARKOCH, K.G., tekhn. red.

[The A B C's of a radio amateur]Azbuka radioliubitelia. Mo-
skva, Sviaz'izdat, 1962. 355 p. Translated (MIRA 15:8)
from polish. (Radio)

VAL'TER, A.K., akademik; ZHELEZNIKOV, F.G.; MALYSHEV, I.F.;
ROSHAL', G.YA.; SERBINOV, A.N.; TSYGIKARO, A.A.; TSYTKO, S.P.;
GOROKHOVSKIY, A.V., red.; VLASOVA, N.A., tekhn. red.

[Electrostatic accelerators of charged particles] Elektrosta-
ticheskie uskoriteli zariazhennykh chastits. Pod red.
A.K. Val'tera. Moskva, Gosatomizdat, 1963. 301 p.

1. Akademiya nauk UkrSSR (for Val'ter).
(Particle accelerators)

(MIRA 16:6)

GOROKHOVSKIY, A.V.

Assistance to rural communication workers. Vest. sviazi 24 no.6;31-
32 Je '64. (MIRA 17:11)

1. Glavnnyy redaktor izdatel'stva "Svyaz".

KOMAR, Yevgeniy Grigor'yevich; GOROKHOVSKIY, A.V., red.

[Accelerators of charged particles] Uskoriteli zaria-zhemnykh chastits. Moskva, Atomizdat, 1964. 387 p.
(MIRA 17:9)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3

REZNIKOV, M.R.; GOROKHOVSKIY, A.V., red.

[Radio Day] Den' radio. Moskva, Sviaz', 1965. 75 p.
(MIRA 18:5)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3"

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3

GOROKHOVSKIY, A.V.

A problem of gigantic importance. Vest. sviazi 25 no.5:3-5 My
'65. (MTR 1845)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3"

ZALESSKIY, M.; GOROKHOVSKIY, R.

Centralize the transportation of money to state farm enterprises.
Den. i kred. 19 no.4:68-69 Ap '61. (MIRA 14:3)

1. Glavnnyy bukhgalter Zaporozhskogo sovnarkhoza (for Zalesskiy).
2. Zamestitel' nachal'nika finansovogo otdela Zaporozhskogo sovnarkhoza (for Gorokhovskiy).
(Zaporozh'ye Province—Payment)
(Banks and banking)

GOROKHOVSKIY, B. I., Can Med Sci -- (diss) "Ciliary Arrhythmia in
Arteriosclerotic Cardiosclerosis and myocardial Infarct."
~~the~~
Myocardium. (A Clinico-Anatomic Comparison.) Mos, 1957. 17 pp.
(1 Mos Order of Lenin Med Inst im I. M. Sechenov), 200 copies.
(KL, 7-58, 112)

- 45 -

GOROKHOVSKIY, B.I.

~~Clinical aspects of arrhythmia continua in atherosclerotic
cardiosclerosis. Terap. arkh. 29 no.8:42-47 '58. (MIRA 11:4)~~

1. Iz gospital'noy terapevтической клиники имени А.А.Острумова (дир.
действител'ный член АМН СССР проф. А.Л.Мясников) и Московского ордена
Ленина медицинского института имени И.М.Сеченова.

(AURICULAR FIBRILLATION, etiology and pathogenesis,
arteriosclerotic cardiosclerosis (Rus)

(CORONARY DISEASE, complications,
arteriosclerotic cardiosclerosis with auric. fibril. (Rus)

GOROKHOVSKIY, B.I.

Cardiac fibrillation in myocardial infarct. Terap. arkh. 30 no.11:
26-32 N '58. (MIRA 12:7)

1. Iz gospital'noy terapevticheskoy kliniki imeni A.A. Ostroumova
(dir. - deystvitel'nyy chlen AMN SSSR prof. A. L. Iyasnikov) i kafedry
patologicheskoy anatomi (zav. - chlen-korrespondent AMN SSSR prof. A.I.
Strukov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni
I.M. Sechenova.

(ARRHYTHMIA) (HEART--INFARCTION)

GOROKHOVSKIY, B.I. (Moskva)

Changes in the intramural nervous system of the heart in atherosclerotic cardiosclerosis associated with cardiac fibrillation. Arkh.pat. 21 no.3:38-43 '59. (MIRA 12:12)

1. Iz gospital'noy terapevticheskoy kliniki imeni A.A. Ostroumova (dir. - deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov) i kafedry patologicheskoy anatomi (zav. - chlen-korrespondent AMN SSSR prof. A.I. Strukov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.

(ARTERIOSCLEROSIS, pathol.

cardiac intramural nerve changes in cardiosclerosis associated with auricular fibrillation (Rns))

(AURICULAR FIBRILLATION, compl.

atherosclerotic cardiosclerosis, cardiac intramural nerv. changes (Rns))

(HEART, innerv.

intramural nerve changes in atherosclerotic cardio-sclerosis assoc. with auric. fibrillation (Rns))

(CORONARY DISEASE, pathol.)

same)

GOROKHOVSKIY, B.I. (Moskva)

Auricular flutter in atherosclerotic cardiosclerosis. Klin.med.
37 no.7:67-71 Jl '59. (MIRA 12:10)

1. Iz gospital'noy terapevcheskoy kliniki imeni A.S.Ostroumova
(direktor - deystvitel'nyy chlen AMN SSSR A.L.Myasnikov) i
kafedry patologicheskoy anatomii (zav. - chlen-korrespondent
AMN SSSR prof.A.I.Strukov) I Moskovskogo ordena Lenina meditsinskogo
instituta imeni I.M.Sechenova.

(AURICULAR FLUTTER etiol.)
(CORONARY DISEASE compl.)

GOROKHOVSKIY, B.I.

Blood supply in the region of the sinus node in atherosclerotic cardiosclerosis with auricular fibrillation and in normal rhythm. Terap.arkh. 31 no.12:72-76 D '59. (MIRA 13:4)

1. Iz gospital'noy terapeuticheskoy kliniki (zav. - deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(CORONARY DISEASES pathol.)
(AURICULAR FIBRILLATION etiol.)

PSCHENICHNYY, I.P.; SHTEYGARDT, Yu.N.; MESHCHERYAKOV, A.V.; VASIL'YEV, V.N.;
SOKOLOVA, E.P.; BROVKOVICH, E.D.; RUBANOVSKIY, B.R.; LUR'YE, R.G.;
PARAKHONYUK, Z.M.; GOROKHOVSKIY, B.I.; ZHDANOV, V.S.; GORBUNOVA, Z.V.
GLIKIN, M.I.; TAVAR'YAN, E.A.; SUKHODOLYA, Ye.I.

Abstracts. Kardiologija 4 no.4:87-90 Jl-Ag ' 64. (MIRA 19:1)

11613

S/219/62/054/010/001/004
D296/D307

27.2300

AUTHORS:

Soboleva, V.I., Semenov, N.V. and Gorokhovskiy, B.O.

TITLE:

Restoration of the vital functions in animals
after prolonged clinical death under conditions
of localized hypothermia in the brain

PERIODICAL:

Akademiya meditsinskikh nauk SSSR, Byulleten'
eksperimental'noy biologii i meditsiny, v. 54,
no. 10, 1962, 33 - 36

TEXT:

Resuscitation is still possible after clinical
death lasting 30 - 60 min, provided the body temperature is lowered
to 26 - 20°C. Severe circulatory disorders and ventricular fibrilla-
tion are, however, frequent complications of this technique. It was
assumed that hypothermia confined to the brain would prolong the
period of cerebral anoxia after which successful resuscitation was
still possible, without impairment of the cardiac function. After
injection of pantopon and atropine the carotid and the femoral ar-
teries were laid bare in 15 dogs under local anaesthesia. The left

✓

Card 1/3

S/219/62/054/010/001/004

Restoration of the vital functions ... D296/D307

carotid artery was transected and the blood flowing from the lower stump was diverted through a spiral tube surrounded by ice and then led back through the upper stump into the brain. The right carotid artery was clamped off. In 8 dogs the fall in the brain temperature was measured directly by thermoelements inserted through trepanation holes. When the rectal temperature had reached 32.9 - 29.5°C clinical death was induced by bleeding from the femoral artery. Resuscitation was begun in 9 dogs after 30 min and in 6 dogs after 60 min by means of intra-arterial blood transfusion and with the aid of a respirator. Ventricular fibrillation developed in 13 out of 15 dogs, i.e. just as frequently as in the control dogs exposed to total body hypothermia. In general the resuscitation was much less successful than in the control dogs. After a state of clinical death lasting 60 min none of the experimental dogs could be successfully resuscitated whereas 4 out of 7 control dogs could be fully revived. After clinical death lasting 30 min, only 3 out of 9 dogs could be resuscitated, compared to 8 out of 10 in the control animals. Autopsy revealed congestion of the brain and of the abdominal organs, multiple hemorrhages in the internal organs and occasionally pulmonary edema and thrombosis of the

Card 2/3

Restoration of the vital functions ... S/219/62/054/010/001/004
right auricle. The authors explain the poor results with the toxic D296/D307
effect of inadequately oxidized metabolic products accumulating in
the rest of the body kept at relatively higher temperatures and with
the increased permeability of the blood vessels: it was further as-
sumed that the artificial perfusion of the brain caused direct damage
to the nervous elements.

ASSOCIATION:

Laboratoriya eksperimental'noy fiziologii po
ozhivleniyu organizma, AMN SSSR (Laboratory
of Experimental Physiology for Resuscitation,
AMS USSR) and Kafedra fiziologii kalininskogo
meditsinskogo instituta (Department of Physio-
logy, Kalinin Medical Institute)

SUBMITTED:

March 5, 1962

X

Card 3/3

N/5
859.01
.0011

Pensionnoye obespecheniye v SSSR; v voprosakh i otvetakh (Providing pensions in the USSR, by) B. P. Gorokhovskiy i I. M. TREFILOV. Moskva, Moskovskiy Rabochiy, 1957.

177 p. tables.

GOROKHOVSKIY, D.M.; GUTKIN, S.G.; ZISLIN, S.G.; KUZNETSKIY, K.D.;
PELYUSHENKO, O.I.; POPOV, B.N.; YAKUBOVICH, I.Ye.;
PROSVIRNIN, A.D., otv. red.; KNYAZEV, V.V., red.;
YUNISOVA, M.I., tekhn. red.

[Motor vehicles manufactured at the Gorkiy Automobile Plant]
Avtomobili Gor'kovskogo zavoda. Gor'kii, Gor'kovskoe knizhnoe izd-vo, 1963. 390 p.
(MIRA 16:4)

1. Glavnnyy konstruktor Gor'kovskogo avtozavoda (for Prosvirnin).
(Gorkiy--Motor vehicles)

GOROKHOVSKIY, N.I., OZHEROLOVYEV, Ye.I.

Investigation of the optical sensitization of photographic emulsions.
Part 4. Conditions under which dyes are added to the emulsion, affect
the spectral distribution of the sensitizing action. Usp.nauch.fet.
3:110-118 '55.
(Photographic emulsions)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3

GOROKHOVSKIY, G. (Novosibirsk)

Leveling the An-2 airplane in a three point position. Grashd.av.13
no.3:30 Mr '56.
(Airplanes--Maintenance and repair) (MIRA 9:?)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516310011-3"

GOROKHOVSKIY, G.A., kand.tekhn.nauk; DUDNIK, M.I.

Role of polymer protectors in bearing materials. Izv. vys. ucheb. zav.; mashinostr. no. 12:59-62 '63. (MIRA, 17:9)

1. Kiyevskiy institut Grazhdanskogo vozдушного flota.

EWT(m)/EWA(4)/EPF(c)/EPR/EWP(1)/T/EWP(2)/EGT(1)/EGT(2)

A. F. N. P. Gorokhovskii, G. A.; Geletukha, G. Ye.; Kravchenko, V.

TITLE Effective use of antifriction materials with Viper

Физико-химическая механика материалов, в. 1, № 1, 1985, стр. 295-305

2010, the U.S. Department of Energy's National Renewable Energy Laboratory (NREL) released a report titled "A National Strategy for the Future of Wind Energy Research, Development, and Deployment."

— The following table gives the results of the experiments.

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CIA-RDP86-00513R000516310011-3"

"APPROVED FOR RELEASE: 08/25/2000

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L 61517-65

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OTHER 001

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CIA-RDP86-00513R000516310011-3"

a L 10271-66 EWT(m)/EWP(j)/T/EIC(m) M/DI/RM

ACC NR: AP5028365

SOURCE CODE: UR/0369/65/001/005/0516/0521

AUTHOR: Dmitryuk, G.N.; Gorokhovskiy, G.A.; But, G.P.

ORG: Kiev Institute of Civil Aviation Engineers (Kiyevskiy institut inzhenerov grazhdanskoy aviatsii)

TITLE: Quantitative evaluation of the durability of a metal to metal-polymer composition friction couple

SOURCE: Fiziko-khimicheskaya mekhanika materialov, v. 1, no. 5, 1965, 516-521

TOPIC TAGS: friction, wear material, wear resistance, metal property, polymer

ABSTRACT: The authors present several formulas for the quantitative evaluation of the durability of a friction couple made of a metal and a metal-polymer composition (poly-tetrafluoroethylene). It is noted that the following procedures should be performed in order to employ the formulas obtained: 1) evaluation of the effect of the metal base, the chemical composition, and the relative content of the polymer on the wearability of the metal-polymer composition; 2) investigation of the effect of the force on the wearability of the metal-polymer composition and the metal roller in contact with it, taking the time factor into consideration; and 3) mathematical processing of the data obtained for the determination of the coefficients in one of the formulas, and evaluation of the dispersion of the test results by methods of probability theory and mathematical statistics. The purpose of this investigation is to determine the wear intensity of a metal-polymer composition with an optimal content of

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the polymer and a metal roller in contact with it at the initial period of operation, as well as in a period of stabilized wear as a function of the time and the coupling mode, taking into account the quantitative and the qualitative mechanisms on the boundary of the friction couple. On the basis of principles of the wear process of the metal to metal-polymer composition friction couple, a method is developed for calculating the durability of metal-polymer couplings. Orig. art. has: 3 figures and 5 formulas.

SUB CODE: 11 / SUBM DATE: 04Dec64 / ORIG REF: 006

OC

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AUTHOR: Gorokhovskiy, G. A.; Geletukha, G. N. 44, 55
ORG: Kiev Institute of Civil Aviation Engineers (Klyevskiy institut inzhenerov grazhdanskoy aviatsii) 44, 55

SOURCE CODE: UR/0369/65/001/005/0527/0530
44, 55
44, 55

TITLE: Mechanical-chemical dispersion of metals in dynamic contact with polymers
SOURCE: Fiziko-khimicheskaya mekhanika materialov, v. 1, no. 5, 1965, 527-530
TOPIC TAGS: mechanical failure, metal property, polymer, polymer physical chemistry

ABSTRACT: The authors discuss some of the results obtained earlier on the mechanical-chemical processes in the metal-polymer contact region. Under laboratory conditions, the working surfaces of textolite samples showed microscopic particles of a metal with a considerably greater hardness than that of the metal of the roller in contact with the samples. An analysis of other data, as well as the results of earlier experiments on the dispersion of metal powders in contact with polymers, led the authors to the assumption that the surface layers of polymers are conducive to the strengthening and brittle fracture of the metal surfaces which are in dynamic contact. In this connection, the authors conducted investigations to determine the role of the polymer in the process of dispersion of the surface layers of the metal. Comparative tests were made on the dispersion of iron in a ball mill with a polymer (emulsion polyethylene, 5% by wt.) and without a polymer. The experimental data show that, in the process of mechanical load the polymer particles are chemically activated and

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Specimen A. Kiev, U.S.S.R.

Specimen of polytetrafluoroethylene surface, type A

Thickness, mm., 0.15, 0.20, 0.25

Polytetrafluoroethylene, surface, type A

Specimen of perfluoroethylene (PTFE) film used in various applications (antifrictional, etc.) and in various metal-plastic structures. Thickness, mm., 0.15, 0.20, 0.25

Thickness, mm., 0.15, 0.20, 0.25

Type A where the direction of the frictional force was parallel to the direction of the axis, and type B where the direction of the frictional force was perpendicular to the direction of the axis. The thickness of the specimens was 0.15 mm. It was found that the thickness of the specimens did not affect the frictional

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specimens is directly proportional to $\frac{I_A - I_B}{I_A}$

where I_A and I_B are the integral intensities of the measured maxima for specimens A and B respectively. The thickness of the texture layer is given by $\delta = \frac{d_A}{2} \cdot \frac{I_A - I_B}{I_A}$

where d_A is the thickness of the A specimen. In those cases in which there is a difference in thickness between specimens A and B, the expression for the texture layer thickness becomes $\delta = \frac{1}{2} \left(d_B - d_A - \frac{B}{I_A} \right)$.

The thickness of the texture layer depends on the applied load and sliding speed.

It has been found that rough polymer materials, in particular PTFE, have a higher friction coefficient at a greater load and a lower friction coefficient at a higher speed. This is shown in the graphs and equations.

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ENCL: 00

SUB CODE: OC

NO REF Sov: 007

OTHER: 000

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I 14842-66 EET(m)/ EWP(w)/ I/ EWP(t)/ EWP(b) JL/DU
ACC NR: AP6005831 (A) SOURCE CODE: UR/0374/65/000/006/0114/0119

AUTHOR: Agulov, I. I. (Kiev); Gorokhovskiy, G. A. (Kiev)

56

ORG: none

B

TITLE: Kinetics of certain structural changes in surface layers of polymers subjected to friction

SOURCE: Mekhanika polimerov, no. 6, 1965, 114-119

TOPIC TAGS: crystalline polymer, ~~polytetrafluoroethylene~~, polymer, polymer structure, ~~surface boundary layer~~, friction, friction coefficient, chemical dispersion

ABSTRACT: It was established that amorphization of polymer surface layers occurs under sliding friction conditions. Stabilization time of this process depends on operational conditions of metal polymer contacting pairs. The amorphization degree of the surface layer decreases with increased sliding speeds and loads and increases with the increase of initial crystallinity of a polymer. Side by side with amorphization, a dispersion of small crystalline regions in surface layers of polymers takes place during friction. Stabilization time of dispersion processes is determined by the time of running in the working surface. The dispersion degree of crystalline elements of surface

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UDC: 678:01:539.62

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ACC NR: AP6005831

layers increases with the increase of sliding speeds and specific loads. Amorphization processes of surface layers penetrate deeper than dispersion processes of crystalline regions. Orig. art. has: 5 figures.
[Based on author's abstract]

SUB CODE: 07, 11/ SUBM DATE: 03May65/ ORIG REF: 008/ OTH REF: 002

Card 2/2 mjs

L 40251-66 EWT(m)/EWP(w)/EWP(j)/T/EWP(t)/ETI IJP(c) MM/JD/NB/DJ/RN

ACC NR: AP6019847

(A)

SOURCE CODE: UR/0418/66/000/001/0023/0025

AUTHOR: Kravchenko, V. G. (Engineer); Gorokhovskiy, G. A. (Candidate of technical sciences); Dmitryuk, G. N. (Engineer)

77
70
3

ORG: None

TITLE: "Wear of metal-polymer friction pairs"

SOURCE: Tekhnologiya i organizatsiya proizvodstva, no. 1, 1966, 23-25

TOPIC TAGS: bearing material, corrosion, ~~polymer~~, bushing, heat conductivity, polyethylene plastic

ABSTRACT: The authors study the wear of metal-polymer friction pairs. The shank of a blade working in a variable-pitch propeller encasement was studied as a friction pair. A textolite bushing was used as one member of the pair and the propeller shaft, made of 40KhNMA steel, was used as the other. The shank undergoes periodic reciprocating rotary motion of several centimeters per second. The friction pair is loaded by the aerodynamic forces acting on the propeller. The entire friction unit is lubricated with MS-20 oil. Corrosion pitting was observed on the working surfaces. This type of wear of the metallic surface is extremely dangerous under variable loads. The experimental results indicate that corrosion fatigue of the metal in metal-polymer couplings occurs as a result of condensed humidity in the lubricant. When a polymer

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slides against metal, the surface layer is deformed and mechanical failure of certain molecular chains takes place. These conditions produce free valence radicals and macroradicals. This makes it possible for the surface layers of the polymer to enter into a chemical reaction with the metal. Thus the free radicals stick to the metal surfaces of the shaft. This sets up an electrochemical process which causes increased wear of the metal surfaces. This phenomenon was verified by subsequent experiments. The wear of thrust bearings made of Armco iron was studied. These thrust bearings rubbed against circular specimens made of Armco iron and bronze. In one case the working surface of the circular specimens had a system of rectangular radially milled grooves, while in the other case these grooves were filled with various polymer inserts which covered 30% of the working surface. Tests were carried out in a 0.5% NaCl solution for 24 hours for each friction pair. A table is given showing the results of thrust bearing wear for various specimens at a sliding rate of 14.4 cm/sec and a specific pressure of 1.35 kg/cm². These data show that polymer inserts intensify the electrochemical process during decomposition. This causes additional thrust bearing wear as compared to the wear of specimens without polymer inserts. The results show that wear decreases with load increase for thrust bearings rubbing against specimens with polymer inserts and vice versa. Plain bearings are discussed. Those in common use today use metal shafts and polymer bushings. Unsatisfactory heat conductivity and mechanical properties of the bushings cause many difficulties. New plain bearings have been developed and tested under laboratory conditions which retain the advantages of polymers such as high resistance to binding, while simultaneously making use of the

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